



شركة قطر لإضافات البلاستيك
Qatar Plastic Additives Co. (QPAC)

Part of Qatar Plastic Additives & Industries Group (QADDCO)

QPAC

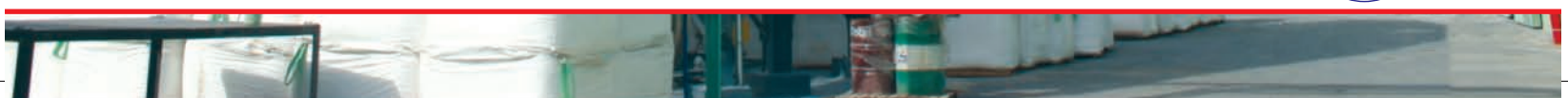
Plastic Additives Products



MADE IN QATAR

ISO 9001

BUREAU VERITAS
Certification



BUREAU VERITAS
Certification



Qatar Plastic Additives & Industrial Group (QADDCO)

Head Office: Gate 150, Street 48, Industrial Area,
P. O. Box: 40290, Doha

STATE OF QATAR

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

PRODUCTION, SUPPLY AND TRADING OF PLASTIC ADDITIVES, MASTER BATCHES & PREBLENDS. PRODUCTION AND SUPPLY OF PLASTIC PIPES & FITTINGS. TRADING OF PLASTIC PIPE FITTINGS AND RELATED ACCESSORIES. PRODUCTION AND SUPPLY OF SOFT & RIGID PVC COMPOUND.

Original cycle start date: **11th January 2016**

Expiry date of previous cycle: **10th January 2019**

Re- Certification audit date: **27th December 2018**

Re- Certification cycle start date: **07th January 2019**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **10th January 2022**

Certificate No. MER19.008/U/Q

Version 1, Revision date: 7th January 2019


Vinoth. K.P - Certification Manager

Certification body address: **Bureau Veritas Certification Holding SAS – UK Branch,
5th Floor, 66 Prescott Street, London E1 8HG, United Kingdom.**
Local office: G1-G3, Ground Floor, KG Building (Bldg. No. 194, Street No. 230),
C Ring Road, Opposite Gulf Times, P. O. Box: 22157 (Doha) Qatar



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Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call: **+974 40329729**



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QPAC COMPANY PROFILE

QATAR PLASTIC ADDITIVES COMPANY has a good reputation based on many years of experience in the industry. The company was founded in 1999 as a limited liability company; we were established on the basics of being special & unique in the State of Qatar, we have since developed into a market leader in Qatar as manufacturers of **PLASTIC ADDITIVES**, and importers of. Our company is a Part of **QATAR PLASTIC ADDITIVES & INDUSTRIES GROUP (QADDCO)**.

OUR TARGETS

- To provide the best Engineered Products & Solutions.
- On time delivery and quick reply to customers inquiries.
- To offer our customers a wealth of information, technical support & customer service that meet and many times exceed customer requirements.

THE QUALITY

If you want first class results, you need high quality, mature products. In our many years of cooperation with manufacturing and trading, we have had the time to collect a wide range of experiences, for these reasons, we always provide quality that you can rely on.

As well, we are **ISO 9001:2015** certified company since 2003, means we are able to put our customers in a position to process the materials that we provide with no difficulties at all.

QPAC have the most advanced laboratory to test the products according to the highest standards.

QPAC also authorized, tested & certified & technically approved by most of the relevant governmental authorities & the services to use our products at their projects.



EMPLOYEES

The experienced employees of it perform their job with care so that your business interests are achieved.

QPAC sales team consists of many qualified and capable sales engineers to understand technical requirements, problems faced by the Manufacturers and provide them solutions at site.

The team is capable to obtain additional technical support from our over - seas partners and we are confident of ourselves to extend an efficient and good quality service to our valued customers.

DELIVERY

Delivery is one of our strong attributes, dedicated team is able to deliver our products to your sites in a fast, prompt and professional manner. Wherever you are, whether day or night our team is ready to cover your needs.

VISION

From all the above mentioned facts, we see that we have a very promising future & prosperous outcome that lay ahead.

We believe that with best planning & implementation of proper policies that will enhance the use of all the company's resources, the company is becoming to be one of the best companies in Qatar.

We only seek to be the best & we thing that we deserve to be the best.

MAJOR PRODUCTS

1. ANTIBLOCKING MASTER BATCH
2. PREBLEND
3. FILLER MASTERBATCH (CALSIN & TALC)
4. ANITIOXIDANTS MASTER BATCHES
5. SLIP MASTER BATCH
6. WHITE MATER BATCH
7. COMPOUNDING OF RESINS

QPAC ANTIBLOCKING MASTERBATCH

INTRODUCTION:

Qatar Plastic additives Co. (Part of Qatar Plastic Additives & Industries Group) recognized as the only manufacturer of anti blocking agent –Talc master batch.



WHAT ARE THE CHARACTERISTICS OF QPAC ANTI BLOCKING MASTERBACH

- **QPAC** Strategic Location: Easy export to Europe, Asia and the Middle East.
- **QPAC** Excellent relation with Qatar Petrochemical Company (QAPCO): Supplying Anti blocking Master batch & other additives for consecutive of 18 years
- **QPAC** Technology: The formulation was prepared as per the requisition of the customers to serve them better.
- **QPAC** iniquity We are the only and sole manufacturer of Additive master batch in Qatar.

SPECIFICATIONS OF QPAC ANTI BLOCKING MASTER BATCH

Product : Anti Blocking Masterbatch Grade 2JB/MB

Appearance : Pellet (Granules)

Description : Anti blocking Master batch is mainly used in the manufacturing of LDPE resin, LDPE film and polyolefin products.

It contains anti blocking agent in a LDPE base

Application : To impart Anti blocking performance in the manufacturer of LDPE resin, LDPE film and Polyolefin products.

Blending ratio : 3 - 5% . This is recommended dosage but customers should evaluate this independently in their own working conditions to arrive at the most optimal use



TYPICAL PHYSICAL PROPERTIES OF ANTI BLOCKING MB

Property	TEST METHOD	TEST CONDITION	UNIT	RESULTS
Melt Flow Index	ASTMD - D1238	kg 2.16 @ 0 C 190	10min/g	4 - 3
Specific Gravity	ASTMD - D792	Auto Dens meter	-	0.05 + 1.9
Volatile Loss		hr 1 @ o c 105	%Wt	0.1 Below
ASH Content	82 - ASTMD4218	30min @ o c 600	%Wt	60

STORAGE CONDITIONS

Anti Blocking master batches must be stored in a dry environment indoors at controlled temperature setting of 25 0 c for maximum shelf life of 6 months

QPAC PREBLEND

Nowadays **QPAC** production capacity of PREBLEND approaches 2500 Ton/Year after installing a new production line in the second quarter of 2019. Moreover, our strategic plan is to expand our capabilities in that field vertically and horizontally by creating new products, increasing our production capabilities and enlarging our base of international standard companies such as Qatar Petrochemical Company (QAPCO). Here we introduce our current products which are specially made as per our loyal customers requirements:

QPAC PRE BLENDS PRODUCTS:

Pre - Blend is the main product of this production line of Q - PAC, Many different additives can be combined together to give one concentrated non - dust additive which is Pre - Blend. Q - PAC produces mainly 3 products a - Pre - Blend 1 – Pre - Blend 8 – Pre - Blend 9.


WHAT IS PREBLEND?


PREBLEND is a customized petrochemicals additives blend introduced in a pellet form. This blend consists of 2 or more additives each has its chemical functionality and designed according to customer requirements.


Why PREBLEND is Trending?

- PREBLEND provides better mixing criteria compared to neat additives, with optimized feeding solutions.
- Composition Flexibility, many types of additives can be combined in one blend.
- Less dust emissions in accordance with the environmentally friendly policies.
- Contributes in operating cost optimization for petrochemicals production processes.



Technical Name	QADDCO NON - DUST BLEND - 1		
Functionality	Antioxidant*/Lubricant Blend.		
QUALITY CRITERIA			
Attrition Test	Initial Value	1%	
	Final Value	4%	
Pellet Size	4 x 20		
	*One or more types of antioxidants.		

Technical Name	QADDCO NON - DUST BLEND - 8		
Functionality	Slip agent / Antioxidant* / Lubricant Blend.		
QUALITY CRITERIA			
Attrition Test	Initial Value	1%	
	Final Value	4%	
Pellet Size	4 x 20		
	*One or more types of antioxidants.		

Technical Name	QADDCO NON - DUST BLEND - 9		
Functionality	Antioxidant* / Acid excavenger Blend.		
QUALITY CRITERIA			
Attrition Test	Initial Value	1%	
	Final Value	4%	
Pellet Size	4 x 20		
	*One or more types of antioxidants.		

QPAC SLIP ADDITIVE MASTERBATCH

PRODUCT : Slip master batch

APPEARANCE : Pellet (granules)

DESCRIPTION :

Slip masterbatch mainly used in the manufacturer of LDPE resin, LDPE film and polyolefin products.

Slip master batches contain slip agents in a LDPE base. Depending on the customer requirements, slow bloom slip agent Erucamide or fast bloom slip agent Oleamide is used.

APPLICATION :

To impart slip performance in the manufacturer of LDPE resin, LDPE film and polyolefin products.

BLENDING RATIO :

3 - 5%.this is recommended dosage but customers should evaluate this independently in their own working conditions to arrive at the most optimal use

PROPERTIES :

- **Slip agent loading** : + 9%
- **Base polymer** : LDPE
- **Melt flow index** : 3.88 (test condition: 190 o c @ 2.16 kg load)

STORAGE CONDITIONS :

Slip master batches must be stored in a dry environment indoors at controlled chart temperature setting of 25 deg. c for maximum shelf life of 6 months

QPAC ANTIOXIDANT MASTERBATCH

PRODUCT : Anti Oxidant Masterbatch.

APPEARANCE : Pellet (Granules)

DESCRIPTION :

Anti Oxidant Master batch is mainly used in the manufacturing of HDPE,LDPE resin,

APPLICATION :

To impart as additive Master Batch in the manufacturer of LDPE resin,LDPE film and Polyolefin products.

PROPERTIES:

- **Base polymer** : LDPE/HDPE
- **Melt flow Index** : 4 (test conditions : 190 o c @ 2.16 kg)
- **Moisture content** : 0.05

STORAGE CONDITIONS:

Anti Oxidant master batches must be stored in a dry environment indoors at controlled temperature setting of 25 O c for maximum shelf life of 6 months



QPAC CALSIN 180C2

DESCRIPTION : Calcium Carbonate Masterbatch – 180C2

INTRODUCTION:

CASIN 180C2 is a calcium carbonate filled Masterbatch, composed of 80% chemically treated NANO calcium carbonate, 17% of virgin polyolefin resin and 3% of additives (typical grade). Loading of calcium carbonate can be reduced or increased as per customer requirement.

APPLICATION:

CALSIN180C2 are filler masterbatches for polyolefin resins and can be used by mixing with polyolefin resins such as LDPE, HDPE, PE, resins for the manufacturing of Film for courier envelopes, Shopping and garbage bag, construction films etc

BENEFITS:

- Improves tensile strength after stretching and stiffness through stability improvement.
- Higher heat resistance.
- Higher flexural rigidity.
- Improves printability on the surface of the finished products.
- Reduction of material cost by using CALSIN180C2 filler master batch and reducing the use of white masterbatch
- Improvements of the dimensional stability due to less shrinkage.
- Finished products mixed with CALSIN 180C2 have wrap - resistant properties.
- Better Anti blocking property.

RECOMMENDED DOSAGE :

For PP & HDPE films, the recommended dosage is 12 - 40% of CALSIN180C2 with PP & HDPE resin.

For LDPE & LLDPE films, the recommended dosage is 20 - 40% of CALSIN180C2.

GENERAL DIRECTION FOR THE USE OF CALSIN 180C2:

CALSIN 180C2 and the polyolefin resin must be mixed well. It is advisable to mix CALSIN 180C2 and polyolefin resin for at least 15 - 20 minutes while using a tumbling mixer.

CALSIN 180C2 has a little chemical resistance against alcoholic and

acidic substances due to its CaCO₃ content so its application should not be exposed to these substances.

Since a damp atmosphere is bad for CaCO₃, it is better to dry CALSIN 180C2 before using if it has been stored for several months.

TYPICAL PHYSICAL PROPERTIES OF CALSIN 180C2:

Property	TEST METHOD	TEST CONDITION	UNIT	RESULTS
Melt Flow Index	ASTMD - D1238	190 O C @ 2.16 kg	g/10min	18 + 5
Specific Gravity	ASTMD - D792	Auto Dens meter	-	1.9 + 0.05
Moisture Content	ASTMD570 - 77	Karl - Fisher Titration	Wt%	Below 0.2
Volatile Loss		105 o c @ 1 hr	Wt%	Below 0.1
ASH Content	ASTMD4218 - 82	600 o c @ 30min	Wt%	80 + %5

QPAC CALSIN 180C2Q

DESCRIPTION : Calcium Carbonate Masterbatch – 180C2Q

INTRODUCTION :

CASIN 180C2Q is a calcium carbonate filled Masterbatch, composed of 80% chemically treated NANO calcium carbonate, 17% of virgin polyolefin resin with LOW MFI and 3% of additives (typical grade). Loading of calcium carbonate can be reduced or increased as per customer requirement.

APPLICATION:

CALSIN 180C2Q are filler masterbatches for polyolefin resins and can be used by mixing with polyolefin resins such as LDPE, HDPE, PE, resins etc.

Examples for the use of CALSIN 180C2Q are in the manufacture of PP or HDPE yarn films, Film for courier envelopes, Shopping and garbage bag, construction films etc and also for PP & HDPE injection moulded products such as PP garden furniture.



BENEFITS:

- Improves tensile strength after stretching and stiffness through stability improvement.
- Higher heat resistance.
- Higher flexural rigidity.
- Improves printability on the surface of the finished products.
- Reduction of material cost by using CALSIN180C2Q filler master batch and reducing the use of white masterbatch
- Improvements of the dimensional stability due to less shrinkage.
- Finished products mixed with CALSIN 180C2Q have wrap - resistant properties.
- Better Anti blocking property.

RECOMMENDED DOSAGE :

For PP & HDPE yarn films for Raffia bags (woven bags), the recommended dosage is 12 - 15% of CALSIN180C2Q with PP & HDPE resin For LDPE & LLDPE films, the recommended dosage is 20 - 40% of CALSIN180C2.

PP & HDPE injection moulded products such as PP garden furniture, the recommended dosage is 20 - 25% of CALSIN180C2Q with 75% - 80% of PP/HD resin. The mixing ratio of CALSIN180C2Q to PP/HD resin should be based on weight percentage and so the most suitable mixing ratios should be fixed according to physical properties of the finished products required.

GENERAL DIRECTIONS FOR THE USE OF QPAC CALSIN 180C2Q:

CALSIN 180C2Q and the polyolefin resin must be mixed well. It is advisable to mix CALSIN 180C2 and polyolefin resin for at least 15 - 20 minutes while using a tumbling mixer.

CALSIN 180C2Q has a little chemical resistance against alcoholic and acidic substances due to its CaCO_3 content so its application should not be exposed to these substances.

Since a damp atmosphere is bad for CaCO_3 , it is better to dry CALSIN 180C2 before using if it has been stored for several month.

TYPICAL PHYSICAL PROPERTIES OF QPAC CALSIN 180C2Q:

Property	TEST METHOD	TEST CONDITION	UNIT	RESULTS
Melt Flow Index	ASTMD - D1238	190 O C @ 2.16 kg	g/10min	2
Specific Gravity	ASTMD - D792	Auto Dens meter	-	1.9 + 0.05
Moisture Content	ASTMD570 - 77	Karl - Fisher Titration	PPM	400
Volatile Loss		105 o c @ 1 hr	PPM	300
ASH Content	ASTMD4218 - 82	600 o c @ 30min	Wt%	80 + %5

QPAC White Master Batch

DESCRIPTION: White Master batch

We provide wide range of White Master Batch Depending upon the requirement of the customer.

White Master Batch Grade 140RL is composed of 50% Titanium dioxide with Poly olefin of

LDPE/LLDPE as per the requirement of the customer

White Master Batch Grade 124R is composed of 60% Titanium dioxide with Poly olefin of

LDPE/LLDPE as per the requirement of the customer with processing aids for application of higher

Output film Manufacturer.

APPLICATION:

White Master Batch for polyolefin resins and can be used with polyolefin resins such as LDPE,HDPE,PE, resins for the manufacturing of Film for courier envelopes, Shopping and garbage bag, construction films etc

RECOMMENDED DOSAGE :

For PP & HDPE films, the recommended dosage of White Master Batch is 2 - 4%



TYPICAL PHYSICAL PROPERTIES OF WHITE MB 140RL:

Property	TEST METHOD	TEST CONDITION	UNIT	RESULTS
Melt Flow Index	ASTMD - D1238	190 O C @ 2.16 kg	g/10min	9
Specific Gravity	ASTMD - D792	Auto Dens meter	-	0.05 + 1.9
Moisture Content	ASTMD77 - 570	Karl - Fisher Titration	Wt%	Below 0.2
Volatile Loss		105 o c @ 1 hr	Wt%	Below 0.1
ASH Content	ASTMD82 - 4218	600 o c @ 30min	Wt%	5% + 75

TYPICAL PHYSICAL PROPERTIES OF WHITE MB 124R:

Property	TEST METHOD	TEST CONDITION	UNIT	RESULTS
Melt Flow Index	ASTMD - D1238	190 O C @ 2.16 kg	g/10min	1
Specific Gravity	ASTMD - D792	Auto Dens meter	-	1.2
Moisture Content	ASTMD77 - 570	Karl - Fisher Titration	Wt%	Below 0.2
Volatile Loss		105 o c @ 1 hr	Wt%	Below 0.1
ASH Content	ASTMD82 - 4218	600 o c @ 30min	Wt%	0.5% + 60

OUR QUALITY

As an ISO 9001 - 2015 We always assure the highest standards of quality of our products to our loyal customers. Specially in PREBLEND which is a Temperature and contamination sensitive product. Careful selection of raw materials is assured by choosing international reputable and authorized vendors to meet our standards of quality. This is followed by the quality check procedures that our professional quality team applies.

Production process is carried out in an environment of precision. Where the temperature is carefully controlled and the contamination is strictly monitored and controlled.

QPAC has its firm product quality policy that meets our international standard customers requirement. PREBLEND quality is assessed in terms of chemical composition, Attrition test results and the pellet size. Strict procedure of scaling and weighing and identifying the raw materials is applied. While all the parameters are well monitored to avoid any possible increase in the dust content of our PREBLEND pellet. Pellet Size is maintained by our efficient classification techniques and is assured by random sample analysis on regular basis.



OUR CAPABILITIES

- Highly professional, experienced and qualified working team.
- Modern and efficient Machinery.
- Temperature controlled production and storage areas.
- Quality lab equipped with all the required testing apparatus.



MADE IN QATAR



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